

# EMERGENCY MANAGEMENT PLANNING DATABASE: 2010

A Product of the Maryland Department of Planning



Sustain<sup>able</sup> \_\_\_\_ Attain<sup>able</sup>



## ANNUAL HURRICANE TTX

Sustainable — Attainable

EMPD\_CPH\_CO

25

80

2,000



Sustain<sup>able</sup> \_\_\_\_ Attain<sup>able</sup>

EMPD\_CPH\_CT

1,406

84

118,104





**EMPD\_ACS\_CO**

**25**

**120**

**3,000**



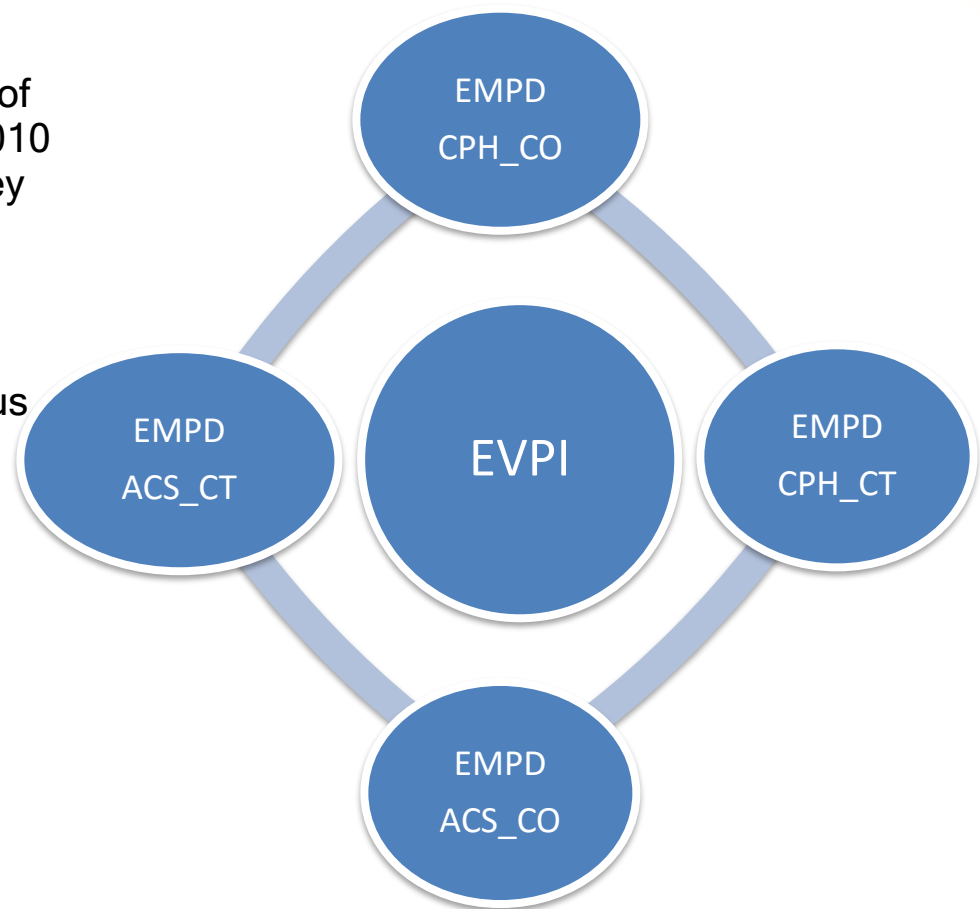
EMPD\_ACS\_CT  
1,406  
99  
139,194





# EMERGENCY VULNERABLE POPULATION INDEX

- Contains data from the 2010 Census of Population and Housing and 2006 - 2010 Five Year American Community Survey
- The database is analyzed at the census tract level





# REPRESENTATIVE CENSUS TRACTS

## FLAGGED TRACTS

$$ZP = 16$$

$$ZH = 2$$

$$P < 250$$

$$H < 100$$

Water tracts

$$\underline{G > 50 - \text{Percent}}$$

Special land use tracts



# DEVELOPING THE VULNERABILITY INDEX

- 16 Selected Variables

Six from the  
2010 CPH

10 from the  
2006 - 2010 ACS

High to low sort

Scores one to 10  
assigned

922!8N6Q

200162 0116 10 10

Composite Score

Indexed Score



# EVPI VARIABLES

2010 Census of Population and  
Housing

2006 - 2010 Five Year American  
Community Survey

AGE

GROUP QUARTERS TYPE

HOUSEHOLD TYPE

TENURE

VACANCY

EDUCATIONAL ATTAINMENT

ECONOMIC

CHARACTERISTICS

LINGUISTIC ISOLATION

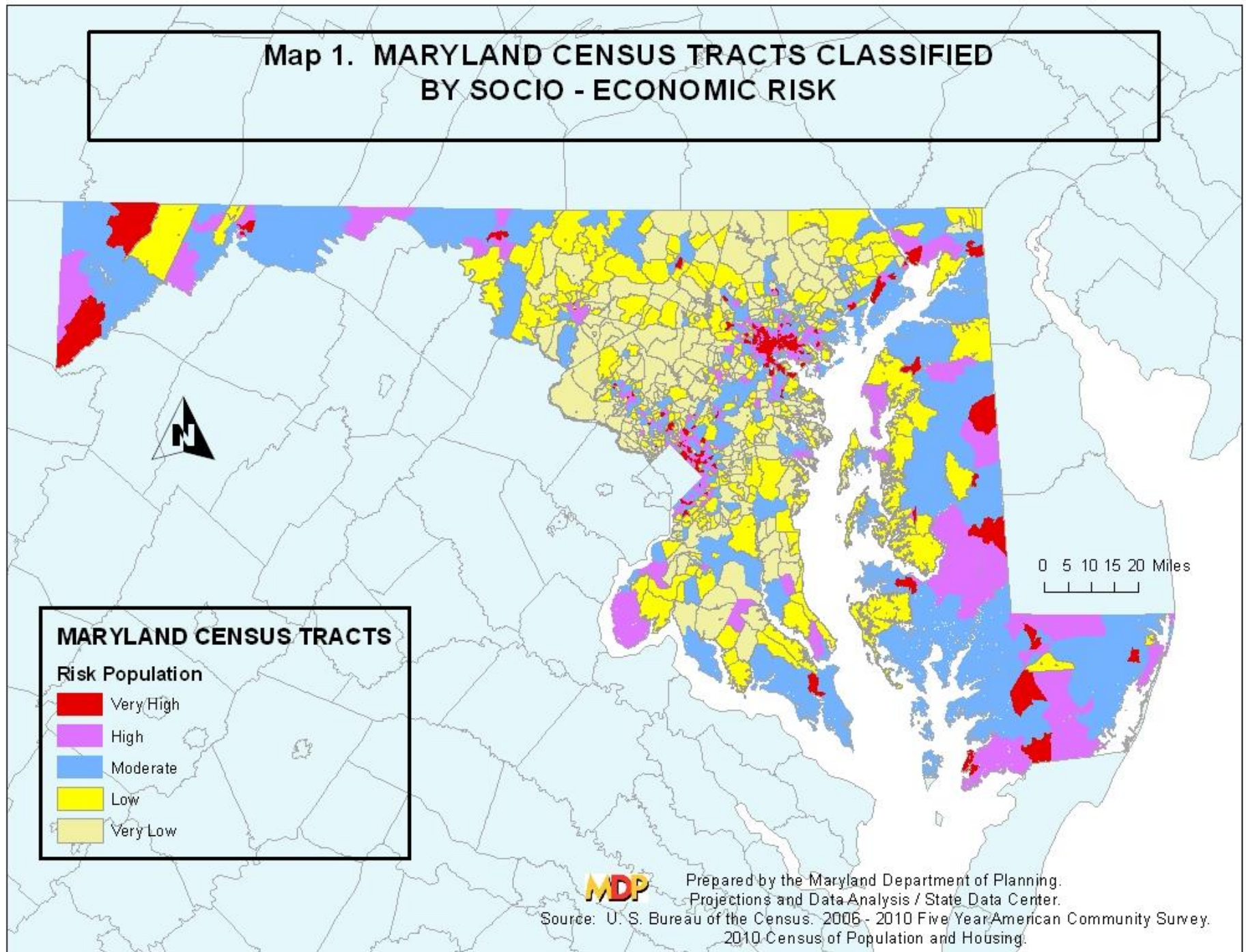
HOUSING UNIT TYPE

OCCUPANCY

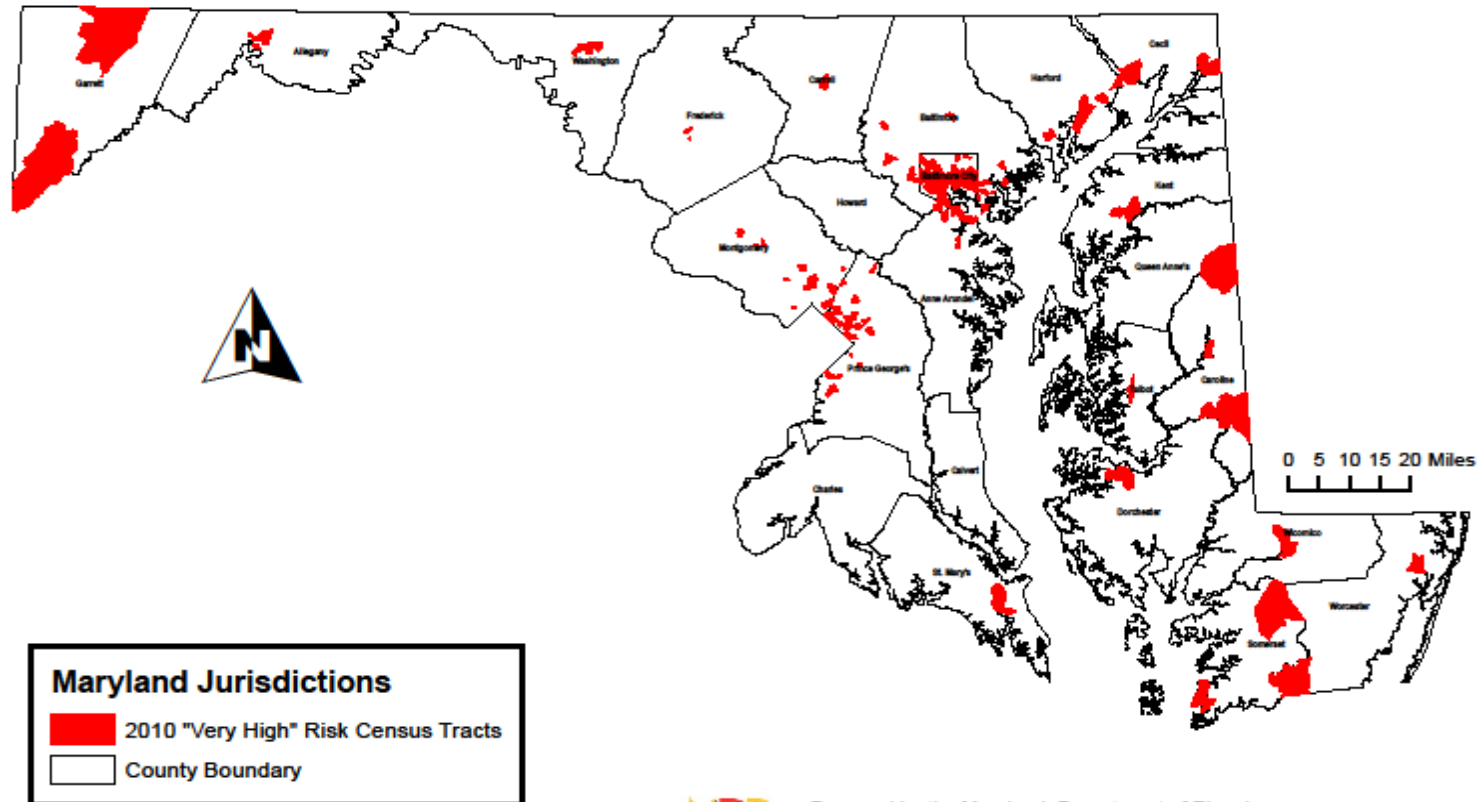
CHARACTERISTICS



# Map 1. MARYLAND CENSUS TRACTS CLASSIFIED BY SOCIO - ECONOMIC RISK

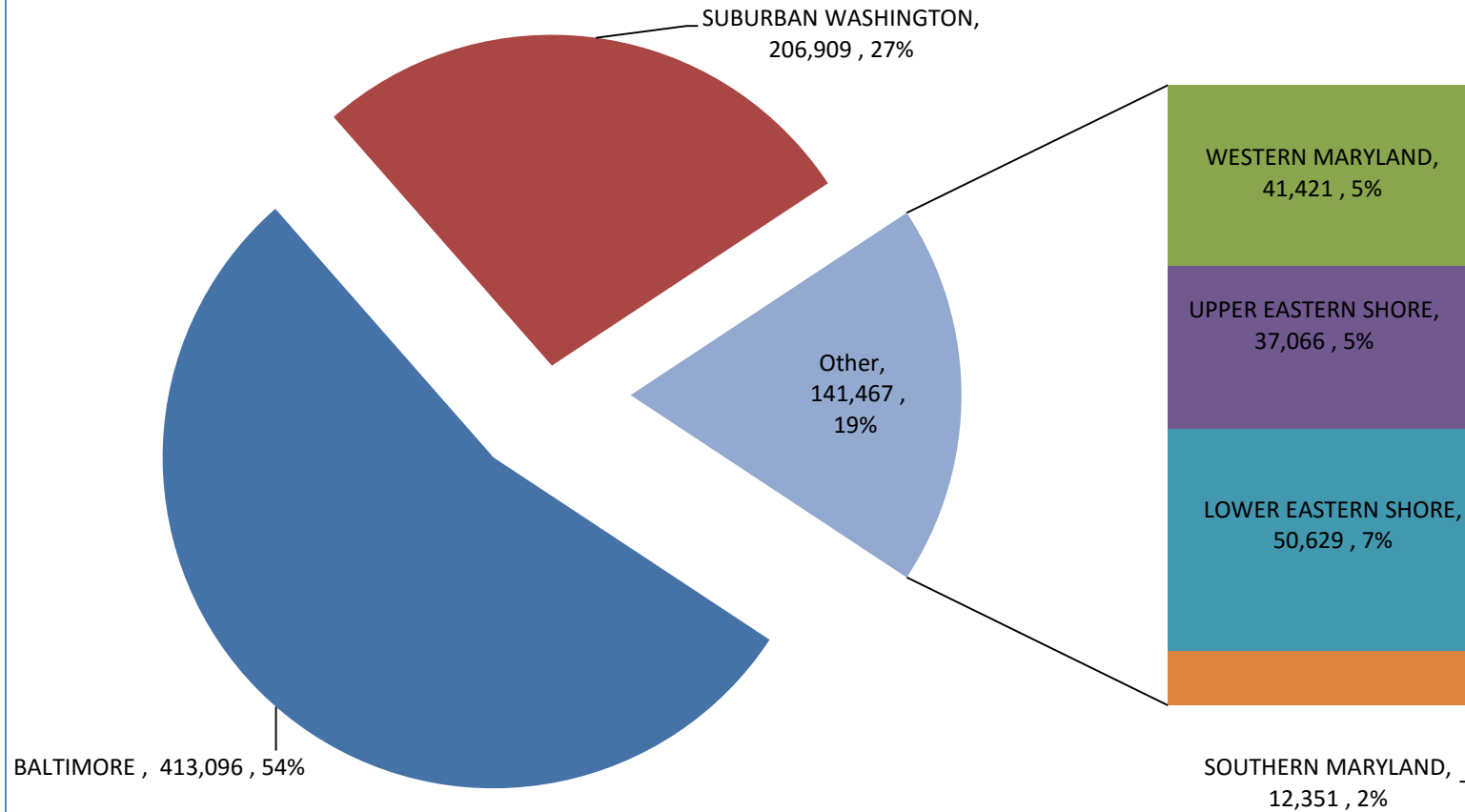


**Map 2A. MARYLAND "VERY HIGH" SOCIO - ECONOMIC RISK CENSUS TRACTS: 2010**

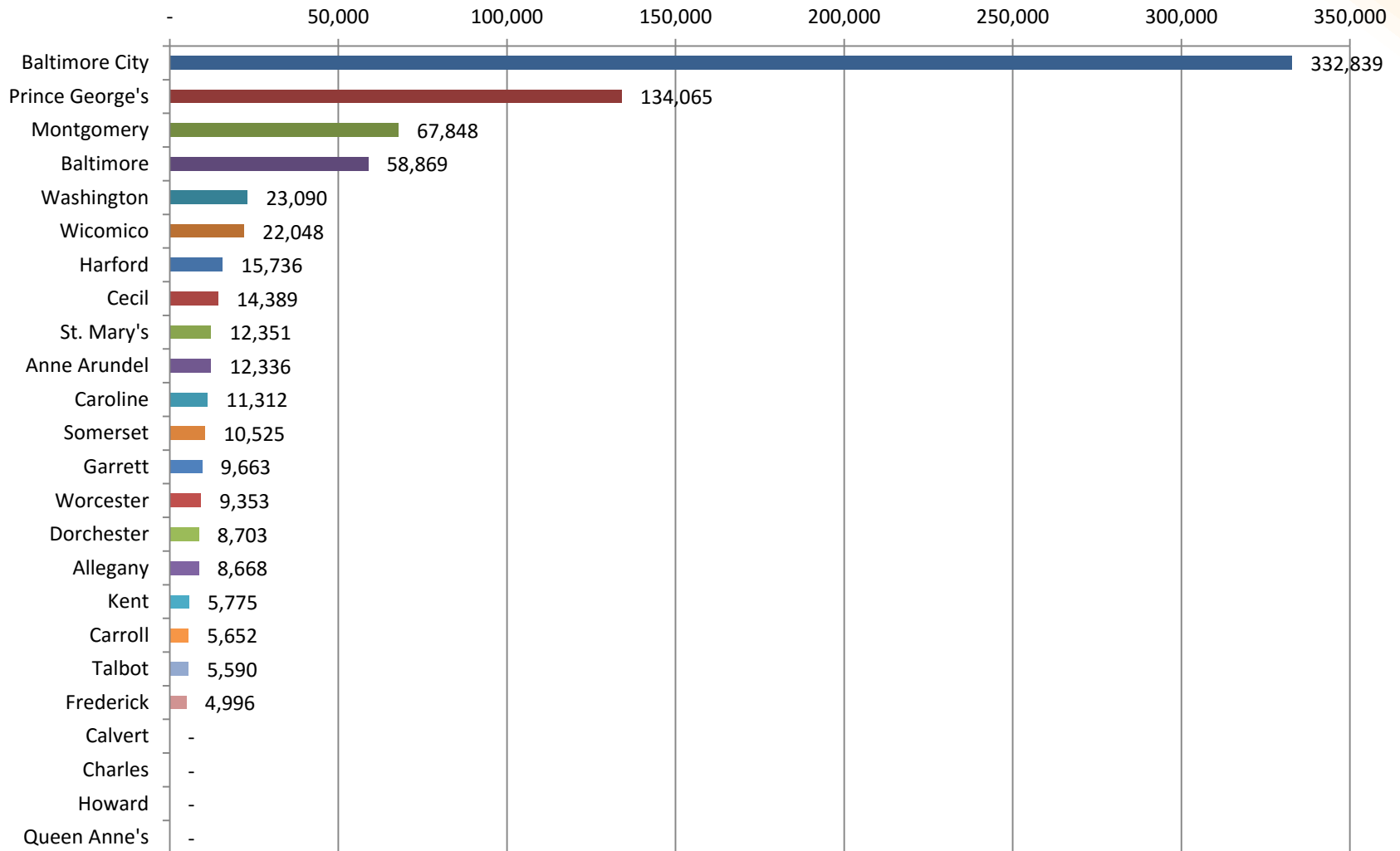


Prepared by the Maryland Department of Planning.  
Projections and Data Analysis / State Data Center.  
Source: U. S. Bureau of the Census. 2008 - 2010 Five Year American Community Survey.  
2010 Census of Population and Housing.

## Maryland Population in Very High Risk Census Tracts by State Planning Region

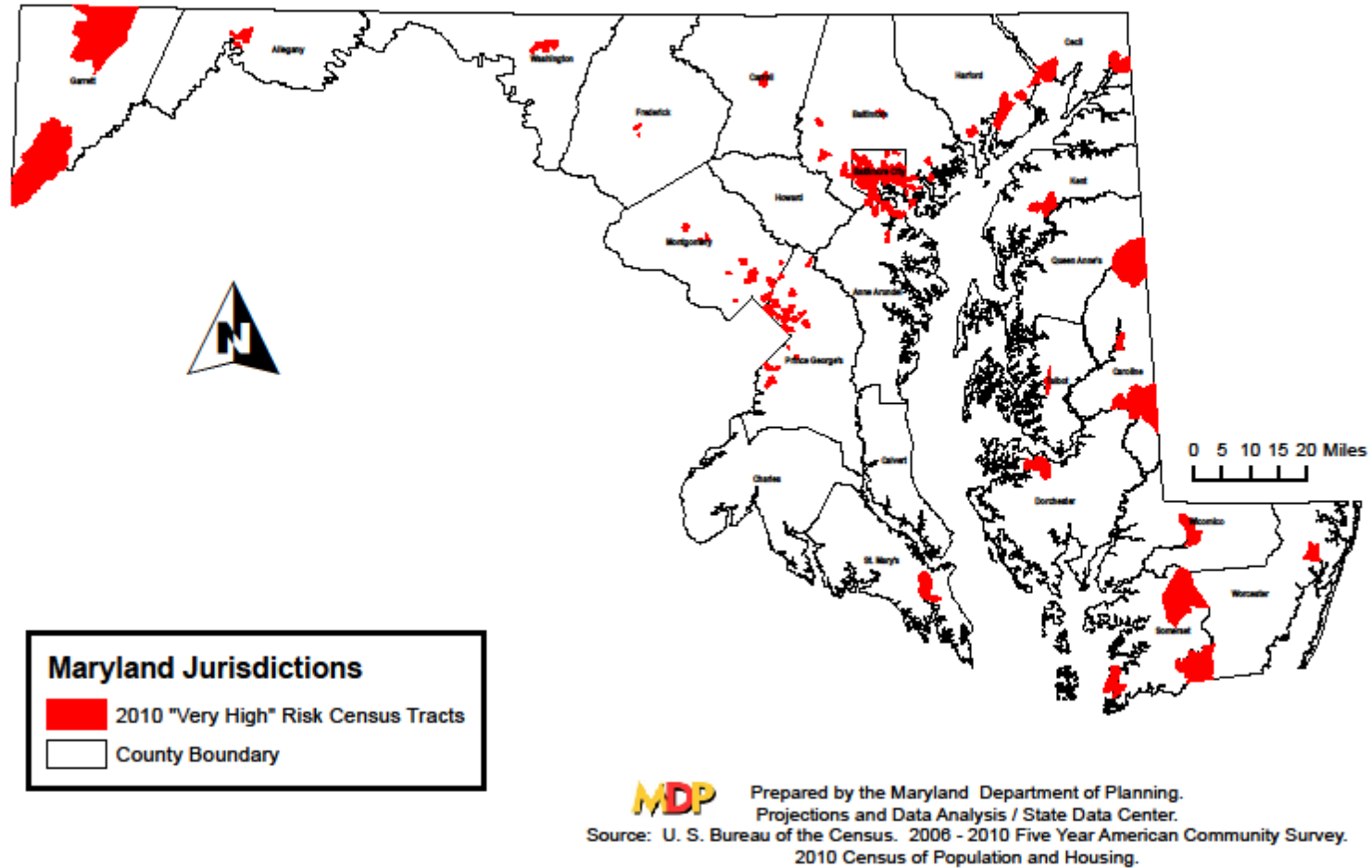


## Maryland Jurisdiction Very High Risk Population: 2010

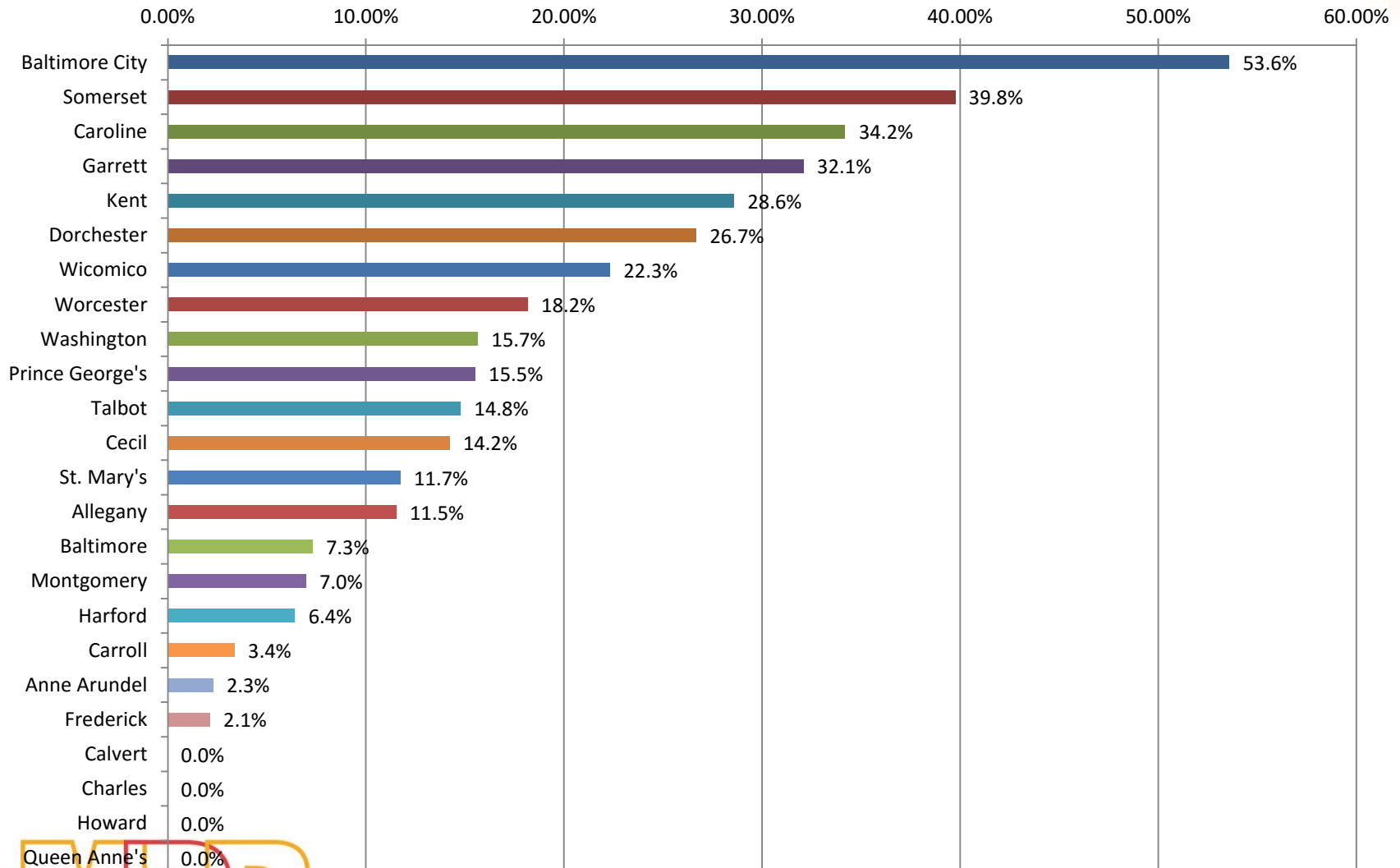




**Map 2A. MARYLAND "VERY HIGH" SOCIO - ECONOMIC RISK CENSUS TRACTS: 2010**

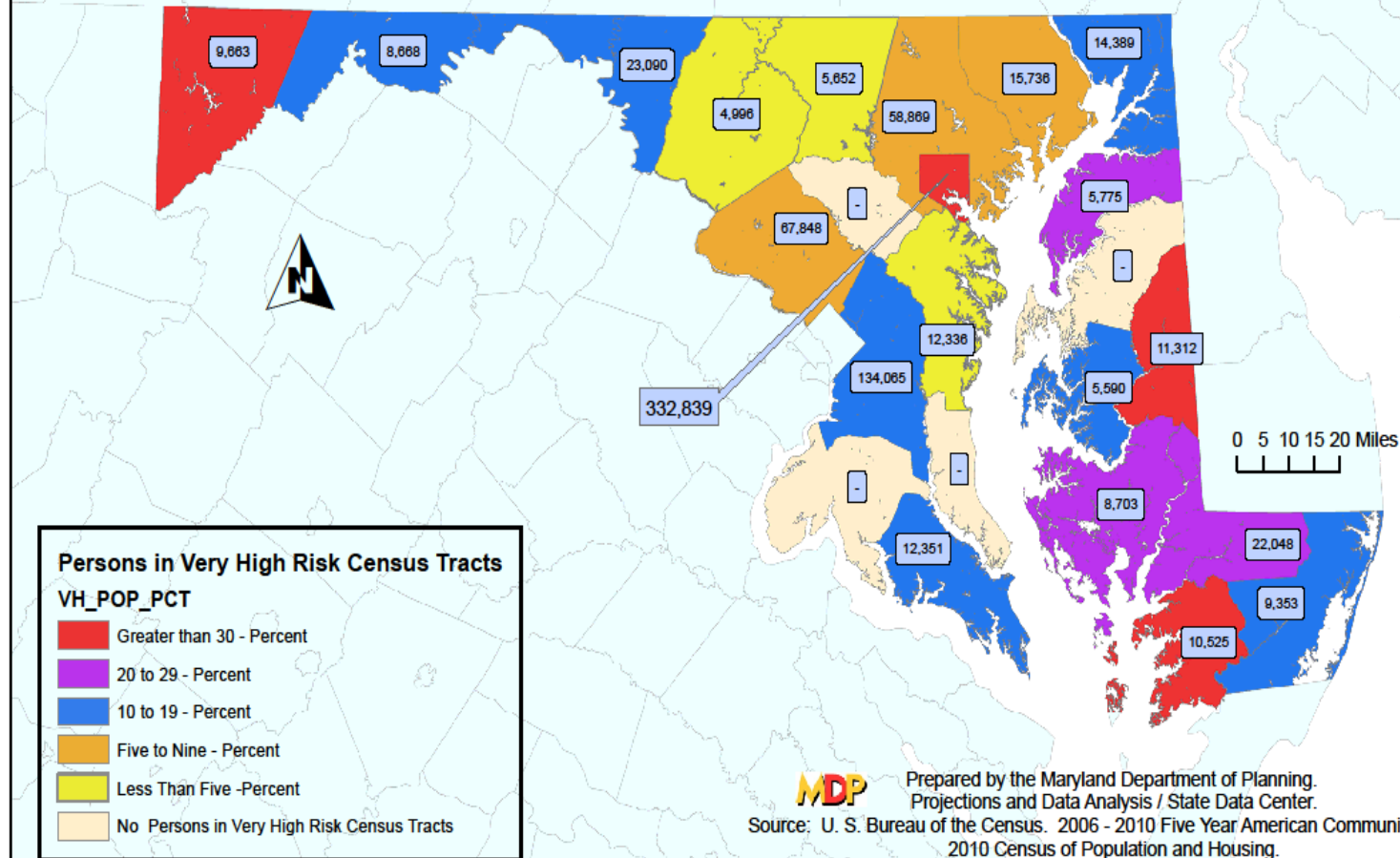


## Maryland Jurisdiction Very High Risk Population as a Percent of Total Population

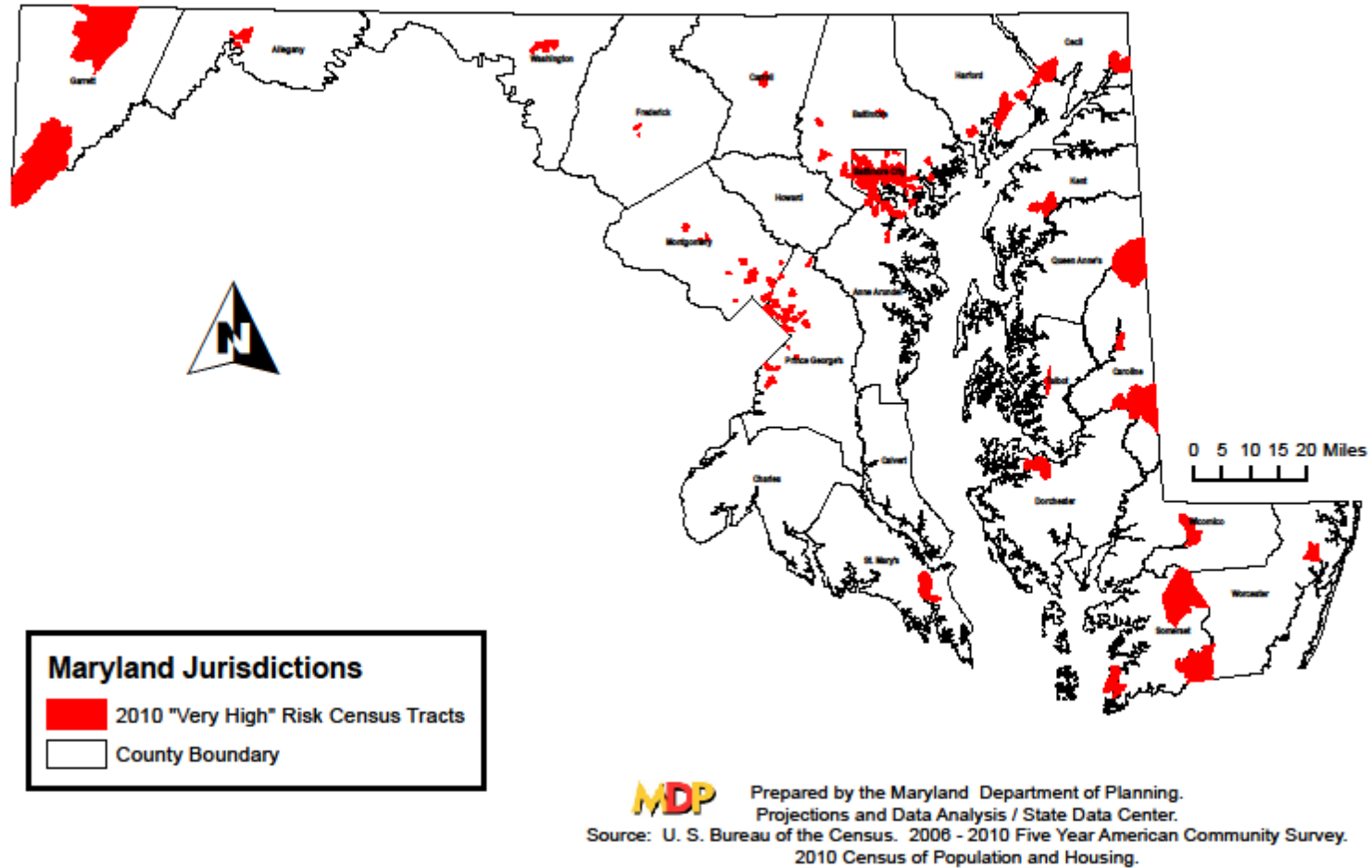


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## Map 2C. POPULATION LIVING IN VERY HIGH SOCIO - ECONOMIC RISK CENSUS TRACTS



**Map 2A. MARYLAND "VERY HIGH" SOCIO - ECONOMIC RISK CENSUS TRACTS: 2010**



Geographies

# STATE

State  
Planning  
Regions

Political  
Subdivisions

PUMAs

Census  
Tracts

User  
Defined



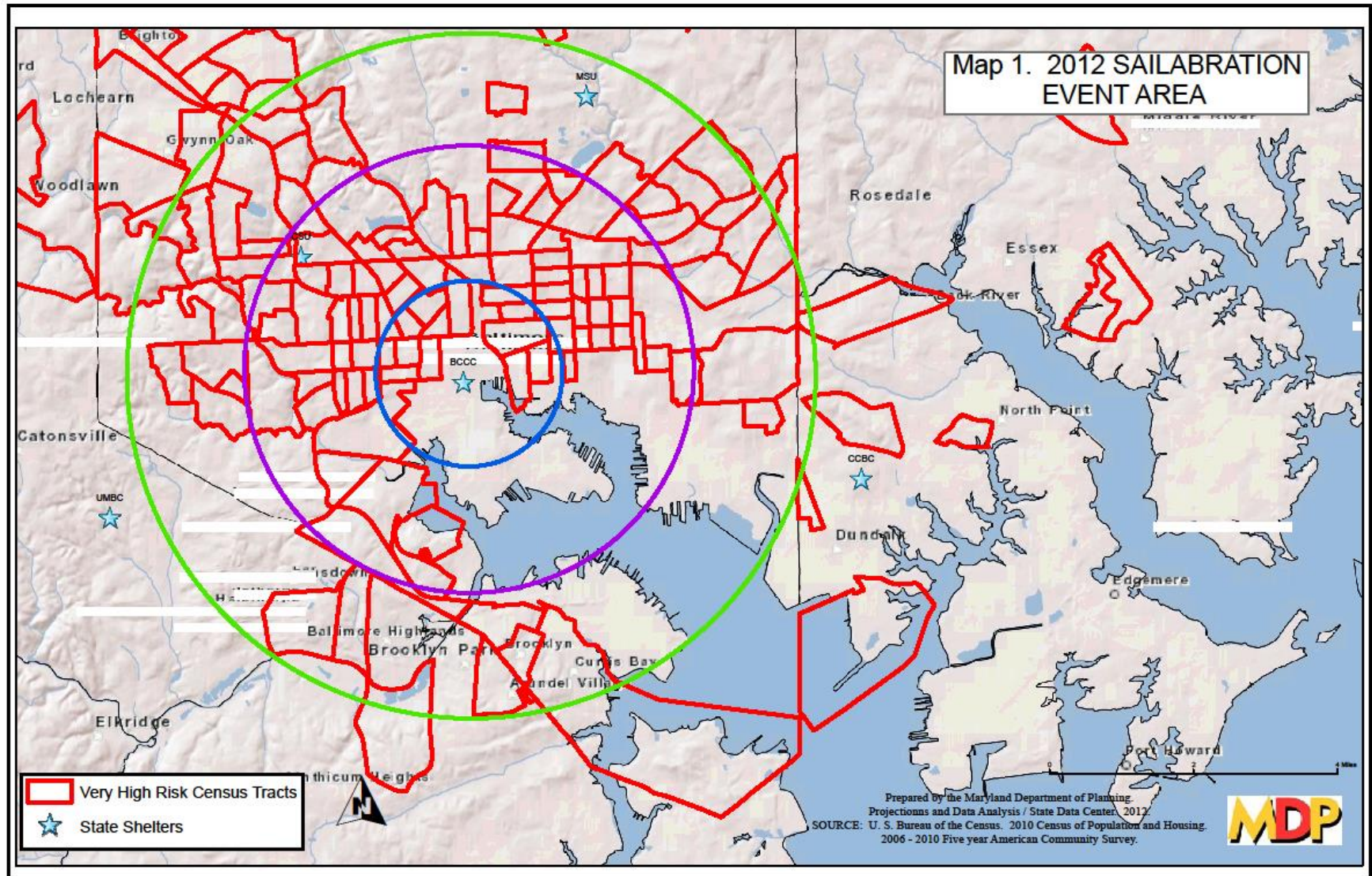


Table 1. 2012 Sailabration Event: Chesapeake Bay Coastal Jurisdictions - MDP EMPD

	Maryland	Bay Coast Jurisdictions	Anne Arundel	Baltimore	Calvert	Cecil	Dorchester	Harford	Kent	Queen Anne's	St. Mary's	Somerset	Talbot	Baltimore City
<b>PERSONS</b>	5,773,552	2,668,333	537,656	805,029	88,737	101,108	32,618	244,826	20,197	47,798	105,151	26,470	37,782	620,961
Daytime population (estimated)	5,504,725	2,620,998	522,688	760,587	67,130	84,739	29,734	209,714	20,737	40,108	99,199	25,810	41,374	719,178
Socio - Economic Very High Risk	773,808	477,113	12,336	38,869	-	14,389	8,703	15,736	5,775	-	12,351	10,525	5,590	332,839
Persons with a disability	581,208	287,696	50,067	88,384	6,903	15,644	X	23,087	X	X	11,496	X	X	92,115
18 years and over	4,420,588	2,062,550	412,595	628,279	65,506	75,753	25,550	184,416	16,649	36,424	77,565	22,005	30,407	487,401
65 years and over	707,642	346,782	63,664	117,476	9,683	11,875	5,771	30,564	4,397	7,141	10,781	3,660	8,958	72,812
Children (0 to 17 years)	1,352,964	605,783	125,061	176,750	23,231	25,355	7,068	60,410	3,548	11,374	27,586	4,465	7,375	133,560
Household population	5,635,177	2,591,858	523,523	784,248	88,087	99,557	32,112	242,083	18,671	47,372	102,225	20,819	37,399	595,762
Group quarters population	138,375	76,475	14,133	20,781	650	1,551	506	2,743	1,526	426	2,926	5,651	383	25,199
<b>GROUP QUARTERS POPULATION BY TYPE</b>														
Noninstitutional	71,537	42,392	6,794	12,653	101	604	92	1,452	1,237	55	2,003	2,124	29	15,248
Institutional	66,838	34,083	7,339	8,128	549	947	414	1,291	289	371	923	3,527	354	9,951
In correctional facilities	37,850	19,369	5,659	2,385	261	317	164	414	97	254	251	3,329	101	6,137
In nursing homes	28,001	14,559	1,668	5,714	277	613	204	877	192	113	668	198	242	3,793
In other facilities	987	155	12	29	11	17	46	-	-	4	4	-	11	21
<b>HOUSEHOLDS</b>	2,156,411	1,026,206	199,378	316,715	30,873	36,867	13,522	90,218	8,165	18,016	37,604	8,788	16,157	249,903
Non family households	709,409	360,304	60,116	111,602	7,141	10,186	4,628	23,883	2,893	4,702	10,520	3,310	5,458	115,865
Single person households	563,003	285,251	47,195	89,478	5,587	8,050	3,835	19,358	2,419	3,708	8,183	2,771	4,575	90,092
Family households	1,447,002	665,902	139,262	205,113	23,732	26,681	8,894	66,335	5,272	13,314	27,084	5,478	10,699	134,038
Husband wife	1,026,739	455,372	105,955	144,119	18,701	20,148	6,032	52,228	4,021	10,862	20,870	3,701	8,442	60,293
With children	439,471	182,323	44,762	57,086	8,484	8,217	1,814	22,407	1,119	4,344	9,501	1,086	2,340	20,963
Female or male householder	420,263	210,530	33,307	60,994	5,031	6,533	2,862	14,107	1,251	2,452	6,214	1,777	2,257	73,745
With children	211,557	105,142	16,806	30,617	2,604	3,638	1,500	7,541	621	1,229	3,635	896	1,170	34,885
<b>ESTIMATED TOTAL HOUSING</b>	2,354,870	1,125,363	209,626	333,175	33,220	40,529	16,347	94,798	10,424	19,824	40,541	11,007	19,257	296,615
Single family units	1,711,363	839,437	169,215	235,858	30,769	32,684	12,685	76,254	8,765	17,868	32,777	8,339	16,343	197,880
Not single family units	643,507	285,926	40,411	97,317	2,451	7,845	3,662	18,544	1,659	1,956	7,764	2,668	2,914	98,735
Mobile homes	40,235	20,965	4,017	3,231	542	2,860	1,410	3,422	342	740	2,235	1,247	568	351
Vacant units	233,823	121,061	13,627	17,633	2,907	4,347	3,000	5,377	2,689	2,636	4,288	2,680	3,654	58,223
<b>ESTIMATED OCCUPIED HOUSING</b>	2,121,047	1,004,302	195,999	315,542	30,313	36,182	13,347	89,421	7,735	17,188	36,253	8,327	15,603	238,392
No vehicle available	194,947	115,144	9,072	24,104	960	1,658	1,261	4,327	427	569	1,692	786	716	69,572
No telephone service	61,799	34,579	4,204	8,900	296	735	442	2,132	323	352	982	435	367	15,411
Non English speaking households	68,111	19,849	3,267	8,528	67	318	143	951	147	122	427	94	142	5,643
Spanish speaking households	29,398	6,979	1,675	2,122	-	184	127	298	136	96	207	53	101	1,980
Percent	43.16%	35.16%	51.27%	24.88%	0.00%	57.86%	88.81%	31.34%	92.52%	78.69%	48.48%	56.38%	71.13%	35.09%
With cash public assistance income	40,520	24,317	2,508	4,740	383	767	483	1,348	83	282	735	191	240	12,557
Median income	\$ 70,647	\$ 64,263	\$ 83,456	\$ 63,959	\$ 90,838	\$ 64,886	\$ 45,151	\$ 77,010	\$50,141	\$ 81,096	\$ 80,053	\$ 42,443	\$63,017	\$ 39,386

Prepared by the Maryland Department of Planning, Projections and Data Analysis / State Data Center, 2012

SOURCE: U. S. Department of Commerce, Bureau of the Census, 2010 Census of Population and Housing.

2006 - 2010 Five Year American Community Survey



**Table 2. 2012 Sailabration Event: Inner Harbor One, Three and Five Mile Radius - MDP EMPD**

	One Mile	Percent	Three Mile	Percent	Five Mile	Percent
<b>PERSONS</b>	<b>71,771</b>	<b>100.00%</b>	<b>304,372</b>	<b>100.00%</b>	<b>650,276</b>	<b>100.00%</b>
Very High Socio - Economic Risk	35,182	49.02%	208,128	68.38%	340,909	52.43%
18 years and over	61,674	85.93%	241,948	79.49%	511,285	78.63%
65 years and over	6,289	8.76%	30,378	9.98%	78,127	12.03%
Children (0 to 17 years)	10,097	14.07%	62,424	20.51%	138,991	21.37%
Household population	63,213	88.08%	289,324	95.06%	624,563	96.05%
Group quarters population	8,558	11.92%	15,048	4.94%	25,713	3.95%
<b>GROUP QUARTERS</b>						
<b>POPULATION BY TYPE</b>	<b>8,558</b>	<b>100.00%</b>	<b>15,048</b>	<b>100.00%</b>	<b>25,713</b>	<b>100.00%</b>
Noninstitutional	2,675	31.26%	8,231	54.70%	15,138	58.87%
Institutional	5,883	68.74%	6,817	45.30%	10,575	41.13%
In correctional facilities	5,865	68.53%	5,981	39.75%	6,200	24.11%
In nursing homes	1	0.01%	819	5.44%	4,354	16.93%
In other facilities	17	0.20%	17	0.11%	21	0.08%
<b>HOUSEHOLDS</b>	<b>33,332</b>	<b>100.00%</b>	<b>124,278</b>	<b>100.00%</b>	<b>259,199</b>	<b>100.00%</b>
Non family households	22,083	66.19%	64,248	51.70%	117,231	45.23%
Single person households	16,501	49.50%	47,900	38.54%	90,760	35.02%
Family households	11,269	33.81%	60,030	48.30%	141,968	54.77%
Husband wife	5,500	16.50%	23,859	19.20%	66,450	25.64%
With children	1,513	4.54%	7,566	6.09%	22,804	8.80%
Female or male householder	5,769	17.31%	36,171	29.10%	75,518	29.14%
With children	3,035	9.11%	17,304	13.92%	35,790	13.81%
<b>ESTIMATED TOTAL HOUSING</b>	<b>57,754</b>	<b>100.00%</b>	<b>107,987</b>	<b>100.00%</b>	<b>306,780</b>	<b>100.00%</b>
Single family units	17,307	29.97%	73,038	67.64%	211,014	68.78%
Not single family units	20,447	35.40%	34,949	32.36%	95,766	31.22%
Mobile homes	8	0.01%	170	0.16%	873	0.28%
Vacant units	7,500	12.99%	31,061	28.76%	58,111	18.94%
<b>ESTIMATED OCCUPIED HOUSING</b>	<b>30,254</b>	<b>100.00%</b>	<b>76,926</b>	<b>100.00%</b>	<b>248,669</b>	<b>100.00%</b>
No vehicle available	10,747	35.52%	34,891	45.36%	70,004	28.15%
No telephone service	2,340	7.73%	6,947	9.03%	16,035	6.45%
Non English speaking households	934	3.09%	1,964	2.55%	5,630	2.26%
Spanish speaking households	252	0.83%	998	1.30%	2,227	0.90%
Percent	26.98%		50.81%		39.56%	
With cash public assistance income	1,242	4.11%	6,450	8.38%	12,875	5.16%
Aggregated Median Income	\$ 1,320,795,213		\$ 2,333,949,522		\$ 10,877,887,866	
Weighted Median Household Income	\$ 43,657		\$ 30,340		\$ 43,744	
Percent of State (\$70,647)	61.80%		42.95%		61.92%	

Prepared by the Maryland Department of Planning. Projections and Data Analysis / State Data Center. 2012  
 SOURCE: U. S. Departemnt of Commerce. Bureau of the Census. 2010 Census of Population and Housing.  
 2006 - 2010 Five Year American Community Survey.

